

CONSTRUCTION SPECIFICATION

NATURAL RESOURCES CONSERVATION SERVICE

GRASSED WATERWAY

1. Scope

This item shall include the shaping or construction of waterways, outlets, and disposal areas, and the establishment of adapted vegetation for the safe disposal of runoff from fields, diversions, terraces, or other structures. Construction operations shall be carried out in such a manner that erosion, air, water and noise pollution will be minimized and held within legal limits as established by state or local regulations.

2. Obstruction Removal

All brush, trees, stumps, fence rows, and other objectionable material shall be removed and disposed of in such a way that they will not interfere with constructing, shaping, or proper functioning of the waterway, disposal area or filter strip, or outlet.

3. Cross Section

The waterway or water disposal areas shall be shaped or constructed to the specified dimensions and shall be free of bank projections, abrupt changes, and other irregularities. Concrete or rock-lined waterway sections will conform to Conservation Practice Standard Construction Specification Code 468 - Lined Waterway or Outlet.

4. Slope

Within a given reach, waterways, outlets, and disposal areas shall have a uniform, continuous slope in the direction of flow.

5. Disposal

All earth removed and not needed in construction shall be spread or disposed of in such a way that it will not interfere with the functioning of the waterway. Care must be taken in spreading waste material so that neither ridges nor holes are formed along the sides of the waterway. Such obstructions restrict drainage from rows, terraces, diversions, or other structures. All portions of the waterway or outlet shall be finished and smoothed in such a manner that farm equipment can cross and applied vegetative cover can be properly maintained.

6. Fill

Fills shall be compacted as needed to prevent uneven settlement that would cause damage in the completed waterway.

7. Pollution control

Construction operations shall be carried out so that erosion and sediment control is addressed, and air and water pollution is minimized. This may include such items as silt fence, hay bale barrier, temporary vegetation, mulching, etc.

8. Vegetation

Vegetation will be established as specified in the vegetative plan.